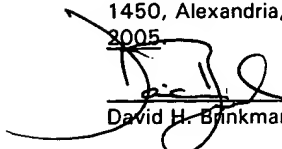




C.d.  
E.V.  
A.G.

**Certificate of Mailing**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with postage prepaid in an envelope addressed to: Certificates of Correction Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 21, 2005

  
David H. Brinkman, Reg. No. 40,532

7/21/05

Date

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: Michael Kuhl et al.  
Patent No.: 6,861,616  
Issue Date: March 1, 2005  
Serial No.: 09/806,410  
Filed: September 5, 2001  
Title: **DEPTH MEASUREMENT AND DEPTH CONTROL OR  
AUTOMATIC DEPTH CONTROL FOR A HOLLOW TO BE  
PRODUCED BY A LASER PROCESSING DEVICE**  
Atty Docket No.: BEET-03

**Certificate  
JUL 28 2005  
of Correction**

Cincinnati, OH

July 21, 2005

Certificates of Correction Branch  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate  
JUL 28 2005  
of Correction**

**REQUEST FOR SUPPLEMENTAL CERTIFICATE OF CORRECTION OF PATENT  
FOR PTO MISTAKES (37 C.F.R. § 1.322(a))**

Sir:

It is respectfully requested that a Supplemental Certificate of Correction be issued for the patent identified in the heading. An original Certificate of Correction issued in the above-referenced application on July 12, 2005 (copy attached).

**AUG 03 2005**

In column 5, line 36, change "change of  $x_g$  and  $y_g$ ." to --change of  $x_g$  and  $y_g$ --, as shown in the Request for Certificate of Correction of Patent for PTO and Applicants' Mistakes filed on June 10, 2005 on page 4, lines 1-2.

In column 7, line 47, claim 2, change "thickness (Dz)." to --thickness ( $\Delta z$ )--, as shown in the Request for Certificate of Correction of Patent for PTO and Applicants' Mistakes filed on June 10, 2005 on the last 2 lines of page 5.

We respectfully request a new or supplemental Certificate of Correction be issued to correct the above errors.

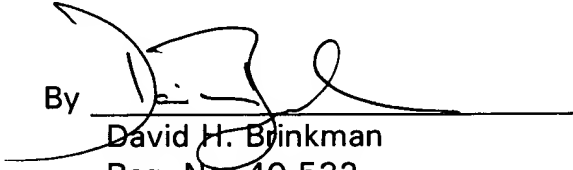
In accordance with the established procedure for handling such certificates, two copies of PTO-1050 are enclosed herewith listing the errors.

Applicants do not believe that any fees are due in connection with this response. However, if such petition is due or any fees are necessary, the Commissioner may consider this to be a request for such and charge any necessary fees to Deposit Account No. 23-3000.

Respectfully submitted,

WOOD, HERRON & EVANS, L.L.P.

By



David H. Brinkman  
Reg. No. 40,532

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UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 6,861,616

DATED : March 1, 2005

INVENTOR(S) : Michael Kuhl

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 5, line 36, change "change of  $x_g$  and  $y_g$ ." to --change of  $x_g$  and  $y_g$ .--, as shown in the Request for Certificate of Correction of Patent for PTO and Applicants' Mistakes filed on June 10, 2005 on page 4, lines 1-2.

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MAILING ADDRESS OF SENDER:

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PATENT NO. 6,861,616

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UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION

PATENT NO. : 6,861,616

DATED : March 1, 2005

INVENTOR(S) : Michael Kuhl

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

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In column 7, line 47, claim 2, change "thickness ( $D_z$ )." to --thickness ( $\Delta z$ ).--, as shown in the Request for Certificate of Correction of Patent for PTO and Applicants' Mistakes filed on June 10, 2005 on the last 2 lines of page 5.

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PATENT NO. 6,861,616

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AUG 03 2005

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,861,616 B1  
DATED : March 1, 2005  
INVENTOR(S) : Michael Kuhl

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page,

Item [22], PCT Filed, change "Sep. 30, 1999" to -- Sep. 30, 1998 --.

Column 1,

Line 9, change "produced by al laser processing device." to -- produced by a laser processing device. --.

Line 23, change "is generally not spherical," to -- is generally not spherical, --.

Line 24, change "So-called F $\theta$  lenses are corrected" to -- So-called F $\theta$ -lenses are corrected --.

Line 30, change "range of about 100 sum." to -- range of about 100 $\mu$ m. --.

Column 2,

Line 40, change "noted here that the applicant has" to -- noted here that applicants have --.

Column 3,

Line 17, change "layers by S<sub>i</sub>." to -- layers by S<sub>i+1</sub>. --.

Line 26, change "to be processed. i.e. the bottom of" to -- to be processed, i.e. the bottom of --.

Line 28, change "lines I01a indicate" to -- lines 101a indicate --.

Line 33, change "of the next layer S<sub>i+1</sub>." to -- of the next layer S<sub>i+1</sub>. --,

Line 58, change "are provided, for example for laser" to -- are provided (for example for laser --.

Line 59, change "68 denoted functions corresponding to" to -- 68 denotes functions corresponding to --.

Column 5,

Line 23, change "The boundary x<sub>g</sub> for the removal" to -- The boundary x<sub>g</sub> for the removal --.

Lines 25-26, change "a dz will lead to a dx<sub>g</sub>." to -- a d<sub>z</sub> will lead to a dx<sub>g</sub>. --.

Line 28, change "layer x<sub>g</sub> (and correspondingly y<sub>g</sub>) can" to -- layer x<sub>g</sub> (and correspondingly y<sub>g</sub>) can --.

Line 36, change "change of x<sub>g</sub> and y<sub>g</sub>." to -- change of x<sub>g</sub> and y<sub>g</sub>  $\circlearrowright$ .

Line 39, change "horizontal boundaries x<sub>g</sub>, y<sub>g</sub>" to -- horizontal boundaries x<sub>g</sub>, y<sub>g</sub> --.

Line 46, change "From said data the boundaries x<sub>g</sub>, y<sub>g</sub>" to -- From said data the boundaries x<sub>g</sub>, y<sub>g</sub> --.

Line 52, change "removal boundaries x<sub>g</sub>, y<sub>g</sub>." to --removal boundaries x<sub>g</sub>, y<sub>g</sub>. --.

Column 6,

Line 20, change "103 denotes a plateau under consideration" to -- 103 denotes a plateau. Under consideration --.

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,861,616 B1  
DATED : March 1, 2005  
INVENTOR(S) : Michael Kuhl

Page 2 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 6 (cont'd).

Line 22, change "may be determined, if, on the other hand," to -- may be determined. If, on the other hand, --.

Line 31, please add the following text "The offset corresponds to  $\Delta x = v_x \cdot t_R$  and is therefore absolutely included in the range of the observed accuracies (e.g.  $v_x = 01$  m/s,  $t_R = 0,5$  ms,  $\Delta x = 50$   $\mu$ m). To compensate such disadvantageous effects it may be desirable to store measured values for the depth  $z$  and to take them into consideration later. This may lead to control overlapping or underlying the automatic control depending on the stored depth data."

Line 43, change "FIG. 7 the density of the density of the measuring points" to --FIG. 7 the density of the measuring points --.

Line 48, change "levelling out said irregularL ity" to -- leveling out said irregularity --.

Line 50, change "Owing to the a priory" to -- Owing to the a priori --.

Line 53, change "in the case of plateaux, towards" to -- in the case of plateaus, towards --.

Column 7,

Line 20, change "of the applicant." to -- of the applicants --.

Line 43, change "(Dz) of a removed layer (S<sub>i</sub>)" to -- ( $\Delta z$ ) of a removed layer (S<sub>i</sub>) --.

Line 45, change "the boundaries ( $x_g$ ,  $Y_g$ ) in" to -- the boundaries ( $x_g$ ,  $y_g$ ) in --.

Line 47, change "thickness (Dz)." to --thickness ( $\Delta z$ ).--

Column 8,

Lines 47-48, change "characterized in accordance" to -- characterized in that a correction is made in accordance --.



Signed and Sealed this

Twelfth Day of July, 2005

JON W. DUDAS

Director of the United States Patent and Trademark Office